

## **REMARKS**

### **Status of Claims**

Claims 44-57 are pending, of which claims 44 and 45 are independent.

Applicants note with appreciation the indication of allowable subject matter of claims 44 and 45. Claims 44 and 45 have been rewritten in independent form to include all of the limitations of the base claim and intervening claim. Accordingly, claims 44 and 45 are now in condition for allowance.

Although Applicants agree that the claims are patentable, it is respectfully submitted that the allowable claims should be entitled to the broadest reasonable interpretation and to the broadest range of equivalents that are appropriate in light of the language of the claims and the supporting disclosure, without reference to the statement of reasons for allowability stated in the present Office Action.

Claims 46-57 have been added. Support for the new claims is found, for example, at FIGS. 3-5 and paragraphs [0058], [0059] and [0068] of the specification. Care has been taken to avoid introducing new matter.

### **Substance of Interview**

Applicants thank the Examiner for his time and courtesy during the interview with the Applicants' representative on June 4, 2010. During the interview, the Applicants' representative explained the structure of newly added dependent claims 46-57 and the structural differences thereof from Glenn (US 6,266,197). In particular, the Applicants' representative explained that the through hole(s) of the new dependent claims passes through the base substrate which is a part of the light-receiving chip. The Examiner indicated that he understood and agreed that the hole

215 of Glenn is disposed in a separate substrate and not in the substrate of the chip 106, and thus different from the through hole of new claims 46-57.

**Rejection under 35 U.S.C. § 102**

Claims 33-43 were rejected under 35 U.S.C. § 102(b) as being anticipated by Glenn et al. (US 6,266,197). Since claims 33-43 have been cancelled, this rejection is moot.

**New Claims**

Since claims 46-57 depend upon claims 44 or 45, these claims are patentable over the cited reference for at least the same reasons as claims 44 and 45. Further, as set forth in the Substance of Interview section, newly added claims 46-57 recite a through hole or a plurality of through holes passing through the base substrate (of the a light-receiving chip). Since Glenn clearly fails to disclose the claimed through hole(s), claims 46-57 are patentable on their own merits in addition to the dependency upon claims 44 or 45.

**CONCLUSION**

Having fully responded to all matters raised in the Office Action, Applicants submit that all claims are in condition for allowance, an indication for which is respectfully solicited. If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, the Examiner is requested to call Applicants' attorney at the telephone number shown below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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